

MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton 49931-1295



BOARD OF CONTROL

	<i>Term expires</i>
DAVID J. BRULE, SR., Iron Mountain	Dec. 31, 2008
KATHRYN CLARK, Ann Arbor	Dec. 31, 2012
RUSSELL A. GRONEVELT, Livonia	Dec. 31, 2010
MICHAEL C. HENRICKSEN, AuTrain (Vice Chair)	Dec. 31, 2006
RODGER A. KERSHNER, Grosse Pointe (Chair).	Dec. 31, 2008
NORMAN A. RAUTIOLA, Reed City	Dec. 31, 2006
RUTH A. RECK, West Bloomfield.	Dec. 31, 2010
MARTHA RICHARDSON, Grosse Pointe Park.	Dec. 31, 2012

GLENN D. MROZ, President

DALE R. TAHTINEN, Vice President for Governmental Relations and
Secretary of the Board of Control

ELLEN HORSCH, Vice President for Administration

DANIEL D. GREENLEE, Controller, Treasurer of the Board of Control, and
Chief Financial Officer

DAVID REED, Provost and Senior Vice President for Academic Affairs

LES COOK, Vice President for Student Affairs

DAVID REED, Vice President for Research

Michigan Technological University

Established by Act 70 of 1885, the Michigan Mining School first offered instruction to students on September 15, 1886. The name was changed to Michigan College of Mines in 1897 and to Michigan College of Mining and Technology in 1927. The most recent name change to Michigan Technological University in 1964 was made to reflect the broad spectrum of programs offered in the physical and social sciences, engineering, forestry, business, the liberal arts, and technology.

Undergraduate Programs

The Bachelor of Science degree is conferred in applied ecology and environmental sciences, applied geophysics, applied physics, bioinformatics, biological sciences, biomedical engineering, business administration, chemical engineering, chemistry, civil engineering, clinical laboratory science, computer engineering, computer network and system administration, computer science, computer systems science, economics, electrical engineering, engineering, engineering technology, environmental engineering, forestry, geological engineering, geology, mathematics, mechanical engineering, materials science and engineering, physics, psychology, scientific and technical communication, social sciences, software engineering, surveying, and wildlife ecology and management.

A Bachelor of Arts degree is conferred in liberal arts with options in English, secondary education, English, liberal arts, and history; it is also offered in communication and culture studies and scientific and technical communication.

Graduate Programs

A Master of Science degree is offered in applied ecology, applied science education, biological sciences, business administration, chemical engineering, chemistry, civil engineering, computer science, electrical engineering, engineering mechanics, environmental engineering, environmental engineering science, environmental policy, forest ecology and management, forest molecular genetics and biotechnology, forestry, geological engineering, geology, geophysics, industrial archaeology, materials science and engineering, mathematical sciences, mechanical engineering, mineral economics, mining engineering, physics, and rhetoric and technical communication.

A Master of Engineering degree is offered in civil engineering and environmental engineering. A Master of Forestry and a Professional Master of Science is also offered.

A Doctoral degree is offered in biological sciences, chemical engineering, chemistry, civil engineering, computational science and engineering, computer science, electrical engineering, engineering physics, environmental engineering, forest molecular genetics and biotechnology, forest science, geological engineering, geology, industrial heritage and archaeology, materials science and engineering, mathematical sciences, mechanical engineering-engineering mechanics, mining engineering, physics, and rhetoric and technical communication.

Associate Degrees

Associate Applied Science degrees are granted in civil engineering technology, electrical engineering technology, electromechanical engineering technology, and engineering technology. An Associate in Humanities is also offered.

The Department of Education, in cooperation with academic departments, offers programs leading to secondary school teacher certification in biological sciences, business administration, chemistry, clinical laboratory science, computer science, earth science, economics, liberal arts/English, mathematics, physics, social sciences, and technology and design.

Research Agencies

Specialized research agencies include the Biotechnology Research Center, Center for Integrated Systems in Sensing, Imaging, and Communication, Computational Science and Engineering Research Institute, Ecosystem Science Center, Institute for Engineering Materials, Institute of Materials Processing, Isle Royale Institute, Keweenaw Research Center, Lake Superior Ecosystem Research Center, Michigan Tech Transportation Institute, Multi-Scale Technologies Institute, Power and Energy Research Center, Product and Process Architecture Alignment Consortium, Remote Sensing Institute, and Sustainable Futures Institute.

Accreditations

The university is accredited by the North Central Association of Colleges and Schools, the Higher Learning Commission. Its curricula in the following fields of engineering are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and

Technology (ABET): chemical engineering, civil engineering, electrical engineering, engineering, environmental engineering, geological engineering, materials science and engineering, and mechanical engineering. The following programs in engineering technology are accredited by the Technology Accreditation Commission of ABET: civil engineering technology, electrical engineering technology, electromechanical engineering technology, and engineering technology with concentrations in electrical engineering technology and mechanical engineering technology.

The curriculum in chemistry is approved by the American Chemical Society, and that in surveying is approved by the Related Accreditation Commission of ABET. The forestry program is accredited by the Society of American Foresters. The BSBA degree program of the School of Business and Economics is accredited by The Association to Advance Collegiate Schools of Business — (AACSB) International. Accounting students may qualify to sit for professional certification exams, including the CPA exam, by choosing appropriate coursework.

Fourth-year instruction in the 3+1 clinical laboratory science option is carried out in hospitals accredited by the National Accrediting Agency for the Clinical Laboratory Sciences (NAACLS). The secondary teacher certification programs are approved by the Michigan Board of Education.

Credit Enrollment (fall head count)	2002	2003	2004
Non-Distance Learning	5,944	6,081	6,144
Distance Learning	681	484	396
Total	6,625	6,565	6,540

STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET ASSETS

Operating Revenues	2003	2004
Student Tuition and Fees (Net of Scholarship Allowances of \$16,387 and \$16,954)	\$ 34,498,000	\$ 39,293,000
Federal Grants and Contracts	15,880,000	18,202,000
State and Local Grants and Contracts	2,288,000	1,498,000
Nongovernmental Grants and Contracts	10,476,000	10,756,000
Educational Activities	5,113,000	5,257,000
Sales and Services of Departmental Activities	6,962,000	7,665,000
Student Resident Fees	12,703,000	13,359,000
TOTAL OPERATING REVENUES	\$ 87,920,000	\$ 96,030,000
Operating Expenses		
Instruction	\$ 52,986,000	\$ 50,157,000
Research	21,533,000	27,701,000
Public Service	5,055,000	4,510,000
Academic Support	10,377,000	10,611,000
Student Services	5,970,000	5,894,000
Institutional Support	15,934,000	16,520,000
Student Financial Support	1,399,000	1,877,000
Operation and Maintenance of Plant	8,033,000	4,037,000
Depreciation	10,812,000	10,519,000
Sales and Service of Departmental Activities	11,017,000	11,821,000
Student Residents	8,442,000	8,665,000
Total Operating Expenses	\$151,558,000	\$152,312,000
OPERATING LOSS	(63,638,000)	(56,282,000)
Nonoperating Revenues (Expenses)		
State Appropriations	\$ 53,308,000	\$ 47,591,000
Gifts	6,459,000	5,949,000
Investment Loss (Net of Investment Expense)	(121,000)	339,000
Interest on Capital Asset-Related Debt	(290,000)	(506,000)
Other Nonoperating Revenues	(881,000)	(406,000)
Net Nonoperating Revenues		
Before Capital Gifts	58,475,000	52,967,000
Capital Appropriations	541,000	8,033,000
Capital Grants and Gifts	3,193,000	4,689,000
Total Nonoperating Revenues	\$ 62,209,000	\$ 65,689,000
Net (Decrease) Increase in Net Assets	(1,429,000)	9,407,000
Net Assets		
Beginning of Year	183,012,000	181,583,000
End of Year	\$181,583,000	\$190,990,000